

## WHAT IS CLAIMED IS:

1. A method for transforming data formats between different database systems including a host computer and a disk storage device for storing data,

5 said host computer having

a skeleton program for instructing data format transformation; and

a communication program for communication with said disk storage;

10 said disk storage device having

a data format transforming program for executing data format transformation; and

a communication program for communication with said host computer;

15 said method comprising the steps of:

said skeleton program sending a request to said data format transformation program on said disk storage via said communication program for communication with said disk storage, at the time of data format transformation;

20 said data format transformation program receiving the request via said communication program for communication with the host computer; and

said data format transformation program performing the data format transformation within its own disk storage device.

25 2. A method for transforming data formats between

different database systems according to claim 1, further comprising in said request:

information for specifying said data format transformation program;

5 address of source data;

size of data to be transformed; and

destination address of transformed data.

3. A host computer having a disk storage device attached for implementing a database management system, comprising:

10 said disk storage containing data of database, and having a data transformation program for data format transformation and a communication program for communication with said host computer;

15 said host computer having a skeleton program for providing a request for sending a request to said data format transformation program in said disk storage to direct said data format transformation program to perform data format transformation within its own disk storage, and a communication program for communication with said disk storage.

20 4. A recording medium of a program to be executed on a host computer having a disk storage device attached for implementing a database management system, said recording medium comprising a skeleton program,

25 when said disk storage stores data of database and contains a data format transformation program for data format

transformation and a communication program for communication with said host computer and

when said host computer contains said skeleton program for instructing data format transformation and a communication program for communication with said disk storage; and

said skeleton program being a program for providing a request for sending a request to said data format transformation program in said disk storage to direct said data format transformation program to perform data format transformation within its own disk storage.

5. A disk storage device attached to a host computer for storing data of a database management system, comprising:

said host computer including

a skeleton program for instructing data format transformation; and

a communication program for communication with said disk storage;

said disk storage device including

a data format transforming program for executing data format transformation; and

a communication program for communication with said host computer;

said disk storage device comprising

a data format transformation program performing data format transformation within itself upon reception of a request

from said skeleton program; and

a communication program for communication with said host computer.

5 6. In a program, executed on a disk storage device attached to a host computer for storing data of a database management system, comprising:

a recording medium for storing a data format transformation program;

when said host computer including

10 a skeleton program for instructing data format transformation; and

a communication program for communication with said disk storage; and

when said disk storage device including

15 a data format transforming program for executing data format transformation; and

a communication program for communication with said host computer;

20 said data format transformation program performing data format transformation within said disk storage device upon reception of a request from said skeleton program.

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